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OCT 21 2004


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Examiner: **Deborah A. Davis**  
Technology Center: **1641**  
Fax No.: **(703)872-9306**  
USSN: **10/613,220**  
Filed: **07/02/03**  
Inventor(s): **Wada et al.**  
Title: **Microfluidic Analytic Detection Assays, Devices, and Integrated Systems**  
Document(s): **Transmittal (1 page)**  
**Petition for Extension (1 page)**  
**Amendment and Reply (8 pages)**

Total Number of Pages, including Certificate: **11**

On *October 21, 2004*

  
Signature

Donald R. McKenna  
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PTO/SB/21 (08-03)

Approved for use through 03/30/2003. OMB 0551-0031

U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

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<b>TRANSMITTAL FORM</b> (to be used for all correspondence after initial filing)	Application Number	10/613,220
	Filing Date	July 2, 2003
	First Named Inventor	H. Garrett Wade
	Art Unit	1641
	Examiner Name	Deborah Davis
Total Number of Pages in This Submission	Attorney Docket Number	100/07211

ENCLOSURES (Check all that apply)		
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input checked="" type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input checked="" type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation <input type="checkbox"/> Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance communication to Technology Center (TC) <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input type="checkbox"/> Other Enclosure(s) (please identify below):
Remarks Please charge Deposit Account No. 03-0177 for any additional fees associated with this paper or during pendency of this application		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	Donald R. McKenna, Reg. No. 44,822
Signature	<i>Donald R. McKenna</i>
Date	10/21/04

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Typed or printed name	Donald R. McKenna
Signature	<i>Donald R. McKenna</i>
Date	10/21/04

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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE****RECEIVED  
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Appln. No. : 10/613,220 Confirmation No.: 7051  
Applicant : H. Garrett Wada, et al.  
Filed : 07/02/2003  
TC/A.U. : 1641  
Examiner : Deborah A. Davis  
  
Docket No. : 100/07211  
Customer No. : 021569  
Title : Microfluidic Analytic Detection Assays, Devices and Integrated Systems

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**AMENDMENT AND REPLY**

Sir:

In response to the Office Action mailed April 21, 2004, please amend the above-identified application as follows:

**Amendments to the Claims** are reflected in the listing of claims that begins on page 2 of this paper.

**Remarks/Arguments** begin on page 6 of this paper.